

Work Order ID 142461

Wednesday, March 09, 2016 2:50:53 PM

142461

Page 1

Item ID: D3884-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Saddle, Inboard LH
 Start Date: 4/19/2016 Start Qty: 10.00 ***10*** Cust Item ID:
 Required Date: 4/24/2016 Req'd Qty: 10.00 ***10*** Customer:
 Reference:

Approvals: Process Plan: MLJ Date: MAR 09 2016 Tooling: _____ Date: _____
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
 Run Start ***NR1***
 Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3884	C								

100 HAAS CNC VERTICAL MACHINING #1 0.01
100 0.16 B. 16/04/28 10 φ 16-04-27
 HAAS 1
 HAAS CNC vertical machine #1

Memo
 Program Batch No. 142 461
 Double check by: [Signature]
 1-Machine Step No 1 per Folio FA818 and inspect per attached Dimension Sheets
 2-Machine Step No 2 per Folio FA818 and inspect per attached Dimension Sheets
 3-Machine Step No 3 per Folio FA818 and inspect per Dimension Sheets

110 QC1- Inspection performed by CMM 0.00
110 0.00 B. 16/04/28 10 φ 16-04-27
 QC
 Quality Control

Memo
 Inspect on CMM as per folio CMM A004.
 DWG REV: _____
 CMM PROG. REV: _____

QC2

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Work Order ID 142461***142461***

Page 2

Wednesday, March 09, 2016 2:50:53 PM

Item ID: D3884-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Saddle, Inboard LH

Start Date: 4/19/2016 Start Qty: 10.00

10

Cust Item ID:

Required Date: 4/24/2016 Req'd Qty: 10.00

10

Customer:

Reference:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

Run Start ***NR1***

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

120

QC8- Inspect parts - second check

0.00

120

QC

Memo

0.00

Quality Control

10 _____ 2/16-4-29

130

Chemical Conversion Coat per QSI005 4.1

0.00

130

HandFinish

Memo

0.04

Hand Finishing

10 _____ 2/16/05/02

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					

Work Order ID 142461

Wednesday, March 09, 2016 2:50:53 PM

142461

Page 3

Item ID: D3884-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Saddle, Inboard LH
Start Date: 4/19/2016 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 4/24/2016 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum	0.00							
140									
Powdercoat		0.01							
Powder Coating	Memo ***MASK INSIDE SURFACES OF SADDLE PRIOR TO APPLICATION OF POWDER COAT AS PER INDICATED ON DWG (SEE NOTE 2)*** <i>M134631</i> ***DO NOT MASK INSIDE FLANGE SURFACE*** START TIME: <i>6:45</i> OVEN TEMPERATURE: <i>220</i> FINISH TIME: <i>7:15</i>								
150	QC3- Inspect Part Finish	0.00							
150									
QC		0.00							
Quality Control	Memo								

10

16-05-17

DAS 34 8-88

10

DAS 38 8-88

MAY 17 2016

10 16-05-17 **DAS 34 8-00**

(10) **DAS 38 8-00**
MAY 17 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition			
				Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
☐ OTHER : _____					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																											
Date :		Step #:		QTY Effective :				MRB (QSI042) Approval																																																							
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																																																							
Root Cause		FAULT CATEGORY																																																													
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____	
Misidentified ☐	Past Due ☐																																																														

Picklist Print

Wednesday, March 09, 2016 2:50:52 PM

Page 1

Work Order ID: 142461

142461

Parent Item: D3884-1

D3884-1

Parent Item Name: Saddle, Inboard LH

Start Date: 4/19/2016

Required Date: 4/24/2016

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP RevA: New issue DD verified by:EC
15.05.20 remove inside powdercoat DD VERF:JLM

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D6101-017		Manufactured	No				Each	33.0000		10			
D6101-017									**				
Saddle Billet													

Location

Loc Qty

Loc Code

MAT044

9

133963

5

135525

4

MAT046

24

137532

12

138595

12

142 580

10

P 16-04-26

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY			
Environment ☐	☐	No Re-verification ☐		☐	Pressure/Forced	☐	Temperature/Cure
Design ☐	☐	Operator ☐		☐	Bending	☐	Set-up
Doc/Data ☐	☐	Offset/Setup ☐		☐	Centre Not Concentric	☐	BOM/Route
Equip/Tooling ☐	☐	Supplier ☐		☐	Cracks	☐	Broken/Damage/Defect
Handling/Pre ☐	☐	Training ☐		☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified
Material ☐	☐	Use for Testing ☐		☐	Cuffs	☐	Contamination
Internal Transport ☐	☐	Poor Information ☐		☐	Crushing	☐	Countersink
Tribal Knowledge ☐	☐	Rushing ☐		☐	Heat Treat	☐	Cut Too Short
LOA ☐	☐	Product Improvement ☐		☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear
Substation ☐	☐	Process Improvement ☐		☐	Marks/Chatter	☐	Drill Holes
Past Expiry Date ☐	☐	Manufacturing Process ☐		☐ OTHER : _____			
Misidentified ☐	☐	Past Due ☐					

DART AEROSPACE LTD		Work Order:	142461
Description: Saddle, Inboard, LH		Part Number:	D3884-1
Inspection Dwg: D3884	Rev. C	Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	By	Date
A	2.870	2.880		2.875	2.875	2.875	2.875		
B	1.433	1.443		1.438	1.438	1.438	1.438		
C	0.638	0.658		0.648	0.648	0.6475	0.648		
D	3.895	3.905		3.900	3.900	3.900	3.900		
E	0.257	0.262		0.258	0.258	0.258	0.258		
F	0.605	0.625		0.615	0.615	0.614	0.615		
G	1.120	1.130		1.125	1.125	1.125	1.125		
H	2.245	2.255		2.250	2.250	2.250	2.250		
I	2.000	2.020		2.003	2.003	2.001	2.001		
J	0.140	0.175		0.143	0.144	0.143	0.144		
K	1.265	1.285		1.2684	1.2684	1.266	1.266		
L	0.115	0.135		0.126	0.126	0.125	0.125		
M	0.240	0.260		0.251	0.251	0.250	0.250		
N	0.110	0.140		0.140	0.140	0.140	0.140		
O	0.240	0.260		0.248	0.2485	0.253	0.2505		
P	2.826	2.886		2.856	2.855	2.855	2.856		
Q	0.178	0.198		0.188	0.188	0.188	0.188		
R	0.140	0.165		0.152	0.152	0.153	0.153		
S	0.720	0.780		0.772	0.770	0.770	0.770		
T	1.220	1.280		1.260	1.258	1.258	1.257		
U	1.245	1.255		1.250	1.250	1.250	1.250		
V	5.990	6.010		6.001	6.001	6.001	6.001		
W	2.495	2.505		2.500	2.500	2.500	2.500		
X	0.490	0.510		0.499	0.4995	0.499	0.500		
Y	0.020	0.040		0.032	0.032	0.032	0.032		
Z	0.313	0.318		0.313	0.313	0.313	0.313		
AA	0.760	0.765		0.760	0.760	0.760	0.760		
AB	0.215	0.220		0.218	0.218	0.218	0.218		
AC	0.316	0.321		0.316	0.316	0.316	0.316		
AD	1.745	1.755		1.750	1.750	1.750	1.750		
AE	0.990	1.010		0.997	0.999	0.9975	0.997		
AF									
Accept/Reject									

Measured by:	16-024-27
Date:	

Audited by:	SL
Date:	16-4-29

Rev	Date	Change	Revised by	Approved
A	09.10.22	New Issue	KJ	
B	15.09.09	Dwg Rev updated	KJ	

DART AEROSPACE LTD		Work Order:	142461
Description: Saddle, Inboard, LH		Part Number:	D3884-1
Inspection Dwg: D3884	Rev. C	Page 1 of 1	

Inspect dimensions highlighted on inspection sheet drawing and record below:

				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	15	16	17	18	By	Date
A	2.870	2.880		2.875	2.875	2.875	2.875		
B	1.433	1.443		1.438	1.438	1.438	1.438		
C	0.638	0.658	119	0.645	0.648	0.647	0.648		
D	3.895	3.905		3.900	3.900	3.900	3.900		
E	0.257	0.262		0.258	0.258	0.258	0.258		
F	0.605	0.625	186	0.614	0.614	0.613	0.614		
G	1.120	1.130		1.125	1.125	1.125	1.125		
H	2.245	2.255		2.250	2.250	2.250	2.250		
I	2.000	2.020		2.001	2.002	2.003	2.002		
J	0.140	0.175		0.143	0.143	0.144	0.143		
K	1.265	1.285		1.266	1.267	1.268	1.267		
L	0.115	0.135		0.125	0.125	0.125	0.125		
M	0.240	0.260		0.250	0.250	0.250	0.250		
N	0.110	0.140		0.140	0.140	0.140	0.140		
O	0.240	0.260		0.252	0.251	0.251	0.251		
P	2.826	2.886		2.857	2.855	2.855	2.856		
Q	0.178	0.198		0.188	0.188	0.188	0.188		
R	0.140	0.165		0.154	0.153	0.152	0.153		
S	0.720	0.780		0.770	0.765	0.765	0.765		
T	1.220	1.280		1.258	1.255	1.255	1.255		
U	1.245	1.255		1.250	1.250	1.250	1.250		
V	5.990	6.010		6.001	6.001	6.001	6.000		
W	2.495	2.505		2.500	2.500	2.500	2.500		
X	0.490	0.510	119	0.498	0.499	0.499	0.499		
Y	0.020	0.040		0.032	0.030	0.030	0.030		
Z	0.313	0.318		0.313	0.313	0.313	0.313		
AA	0.760	0.765		0.760	0.760	0.760	0.760		
AB	0.215	0.220		0.218	0.217	0.217	0.217		
AC	0.316	0.321		0.316	0.316	0.316	0.316		
AD	1.745	1.755		1.750	1.750	1.750	1.750		
AE	0.990	1.010	182	1.000	1.000	1.000	1.000		
AF									
Accept/Reject									

Measured by: <i>[Signature]</i>	Audited by: <i>[Signature]</i>
Date: 16-04-27/16/04/28	Date: 16-4-29

Rev	Date	Change	Revised by	Approved
A	09.10.22	New Issue	KJ	
B	15.09.09	Dwg Rev updated	KJ	

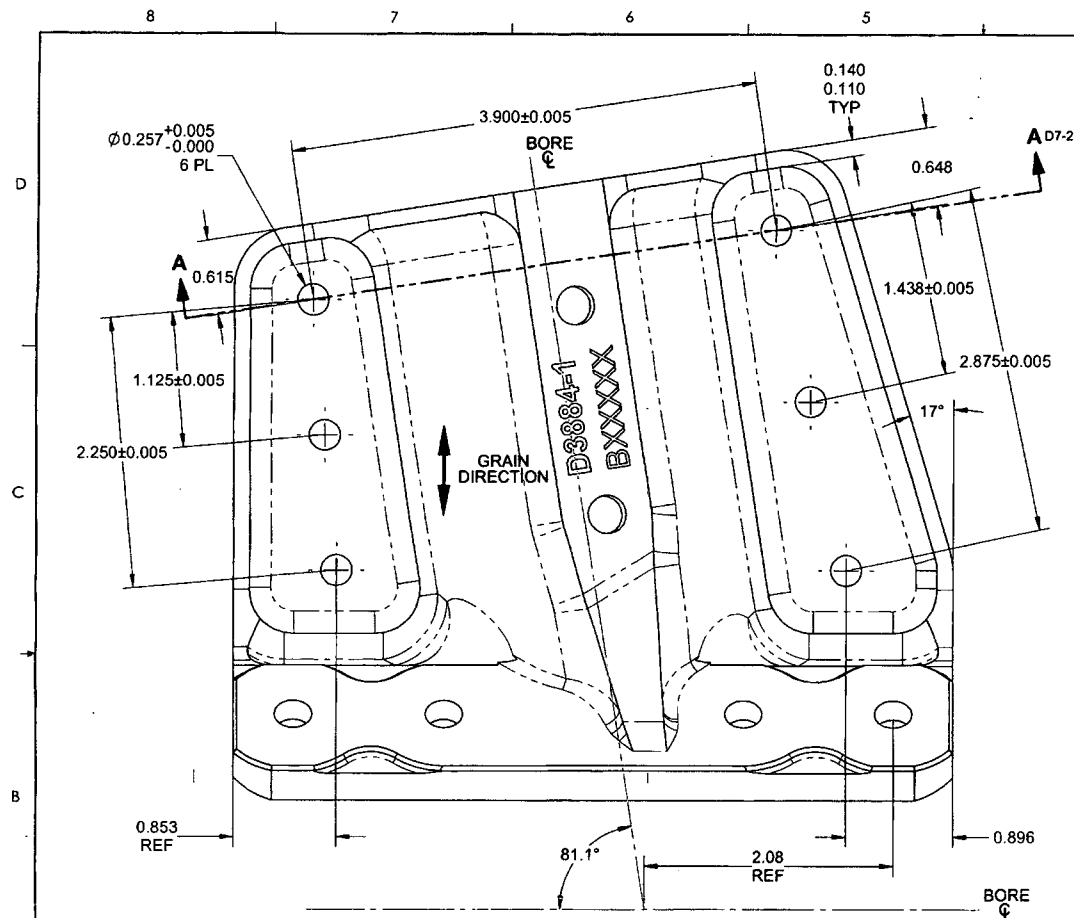
DART AEROSPACE LTD		Work Order: 142461
Description: Saddle, Inboard, LH		Part Number: D3884-1
Inspection Dwg: D3884	Rev. C	Page 1 of 1

Inspect dimensions highlighted on inspection sheet drawing and record below:

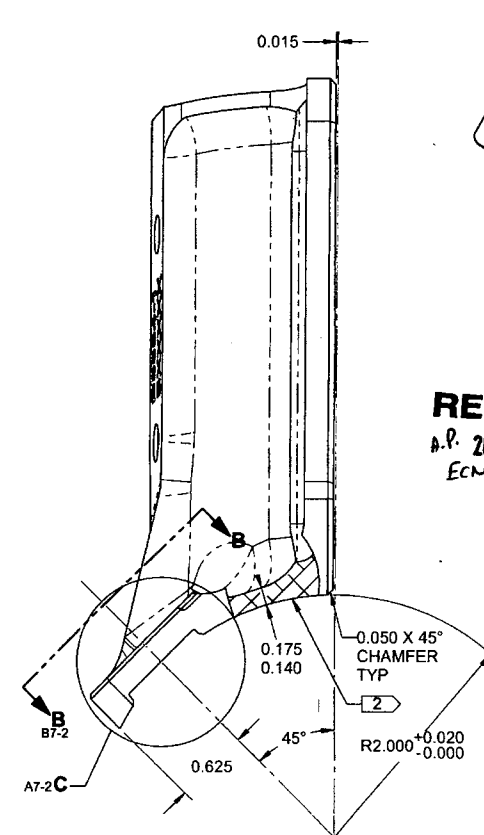
				Recorded Actual Dimensions					
Dim	Min	Max	Go/No Go Gauge	19	10	5	4	By	Date
A	2.870	2.880		2.875	2.875				
B	1.433	1.443		1.438	1.438				
C	0.638	0.658	5/18	0.648	0.648				
D	3.895	3.905		3.900	3.900				
E	0.257	0.262		0.258	0.258				
F	0.605	0.625	1/16	0.614	0.614				
G	1.120	1.130		1.125	1.125				
H	2.245	2.255		2.250	2.250				
I	2.000	2.020		2.000	2.000				
J	0.140	0.175		0.144	0.144				
K	1.265	1.285		1.265	1.265				
L	0.115	0.135		0.125	0.125				
M	0.240	0.260		0.250	0.250				
N	0.110	0.140		0.132	0.132				
O	0.240	0.260		0.251	0.251				
P	2.826	2.886		2.856	2.856				
Q	0.178	0.198		0.188	0.188				
R	0.140	0.165		0.142	0.142				
S	0.720	0.780		0.765	0.765				
T	1.220	1.280		1.255	1.255				
U	1.245	1.255		1.250	1.250				
V	5.990	6.010		6.001	6.001				
W	2.495	2.505		2.500	2.500				
X	0.490	0.510		0.499	0.499				
Y	0.020	0.040		0.030	0.030				
Z	0.313	0.318		0.313	0.313				
AA	0.760	0.765		0.760	0.760				
AB	0.215	0.220		0.217	0.217				
AC	0.316	0.321		0.316	0.316				
AD	1.745	1.755		1.750	1.750				
AE	0.990	1.010		1.000	1.000				
AF									
Accept/Reject									

Measured by: <i>P</i>	Audited by: <i>J</i>
Date: 16-04-27/50	Date: 16-4-29

Rev	Date	Change	Revised by	Approved
A	09.10.22	New Issue	KJ	
B	15.09.09	Dwg Rev updated	KJ	



D3884-1 SADDLE, INBOARD LH

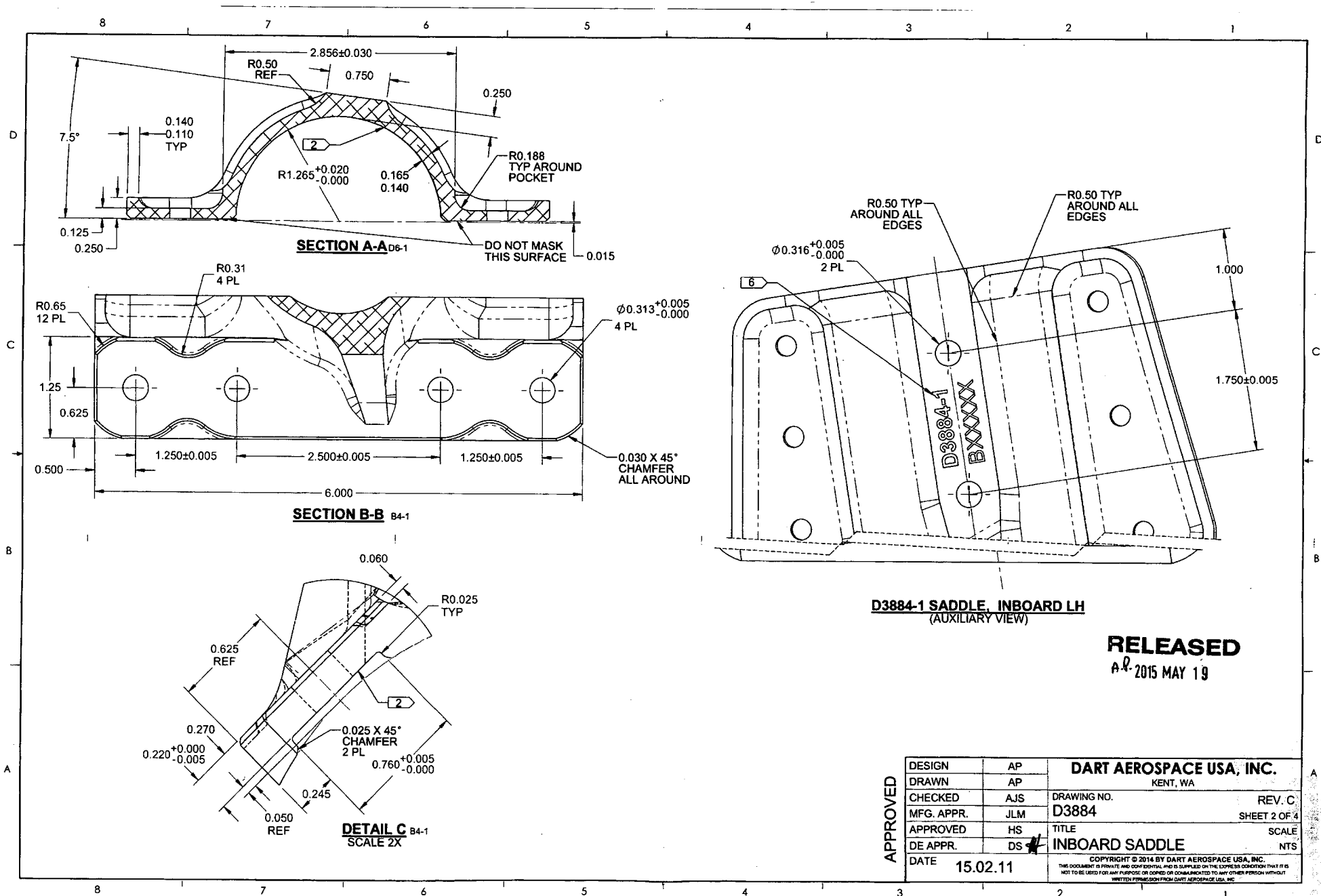


RELEASED
A.P. 2015 MAY 19
ECN 15-575

- NOTES:**
- 1) MATERIAL: 7075-T7351 ALUMINUM PER AMS-QQ-A-250/12, OR QQ-A-250/12 OR ASTM B209 (REF DART SPEC. D6101-015)
 - 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 MASK INSIDE SURFACES OF SADDLE PRIOR TO APPLICATION OF POWDER COAT POWDER COAT GLOSS WHITE (4.3.5.1) PER DART QSI 005 4.3
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX. DEPTH OF 0.010 WITH A MIN. TOOL RAD OF R0.010
 - 7) WEIGHT: 1.03 lbs
 - 8) ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD R0.250
 - 9) ALL NON-DIMENSIONED FEATURES DEFINED PER DRAWING FILE "D3884-1-REVC.SLDPRT"

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 142461 MLJ
16-03-09

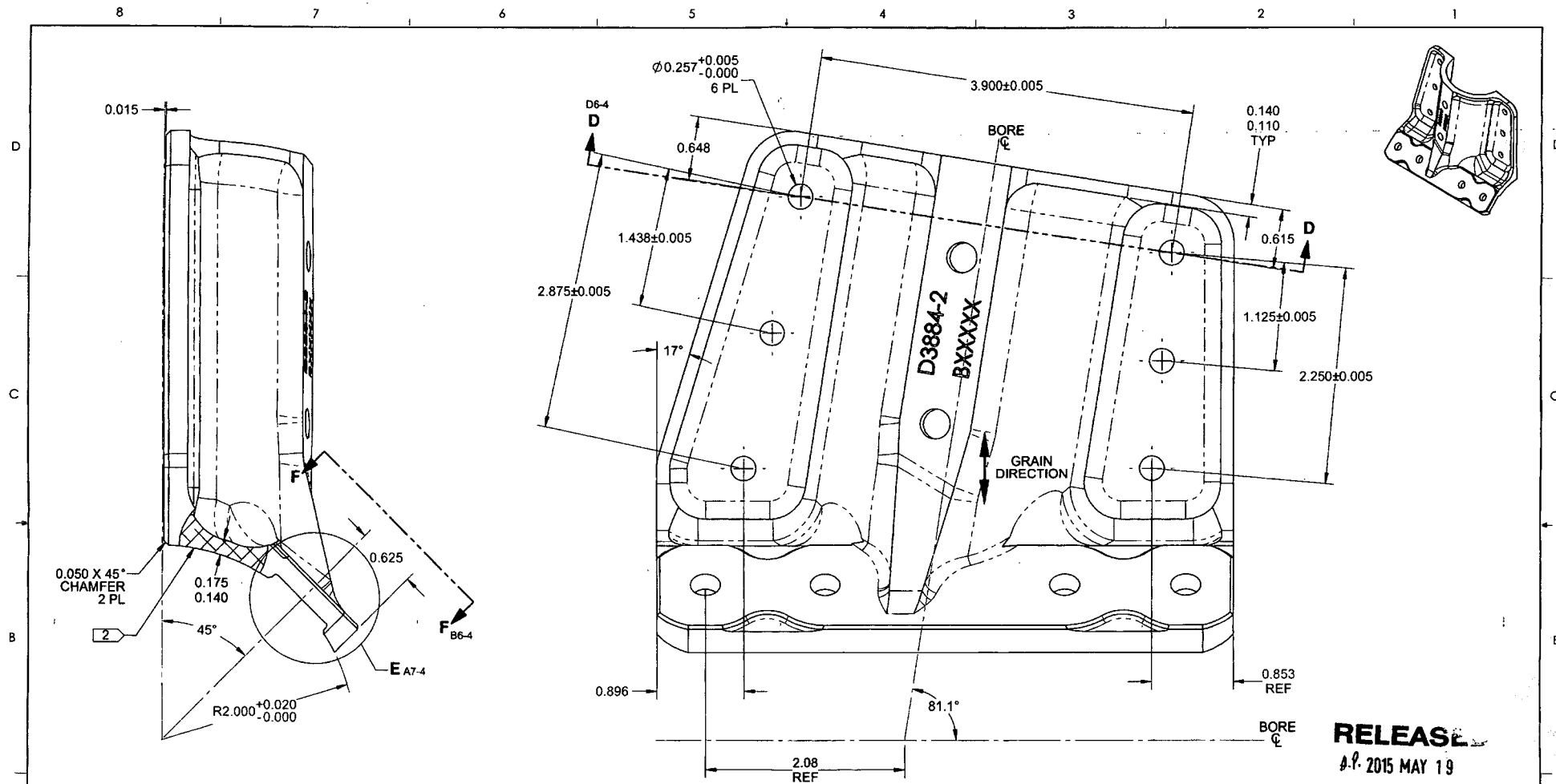
C	GENERAL REDRAW & REMOVED UNNECESSARY DIMS; ADDED NOTE 8, REMOVED POWDER COAT FROM INSIDE SURFACE OF D3884-1/-2, ADDED D3884-2 TO SHT 3 & 4.	AP	15.02.11
B	D6101-017 WAS D6102-017, ZN A6-1; ADD NOTE ZN C4-2; ADD R0.031 ZN C2-2; INCREASED TOLERANCE 0.175 WAS 0.165 ZN B7-1; ADD 0.615 ZN C6-1; ADD 0.648 ZN C4-1; ADD 0.250 ZN D6-2; ADD 0.060 ZN C2-2; 0.75 WAS 0.65 ZN D7-2	RF	09.06.30
A	NEW ISSUE	RF	09.03.30
REV.	DESCRIPTION	BY	DATE
DESIGN	AP	DART AEROSPACE USA, INC. KENT, WA	
DRAWN	AP		
CHECKED	AJS	DRAWING NO.	REV. C
MFG. APPR.	JLM	D3884	SHEET 1 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	INBOARD SADDLE	NTS
DATE	15.02.11	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



D3884-1 SADDLE, INBOARD LH
(AUXILIARY VIEW)

RELEASED
APR 2015 MAY 19

APPROVED	DESIGN	AP	DART AEROSPACE USA, INC.	
	DRAWN	AP	KENT, WA	
	CHECKED	AJS	DRAWING NO.	REV. C
	MFG. APPR.	JLM	D3884	SHEET 2 OF 4
	APPROVED	HS	TITLE	SCALE
	DE APPR.	DS	INBOARD SADDLE	NTS
	DATE	15.02.11	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



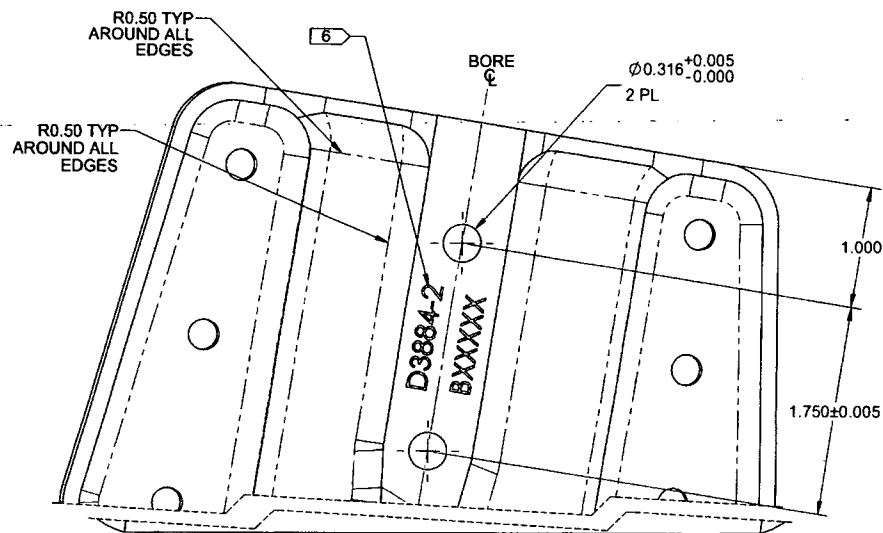
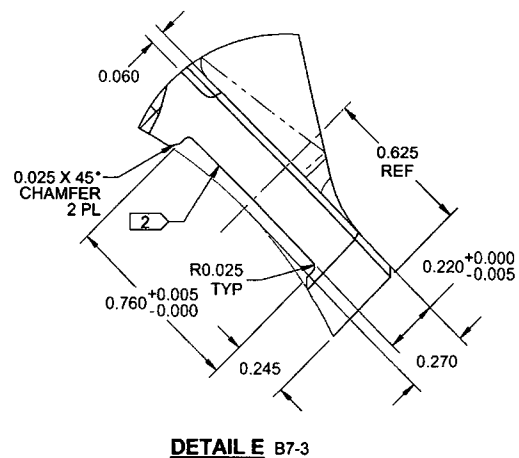
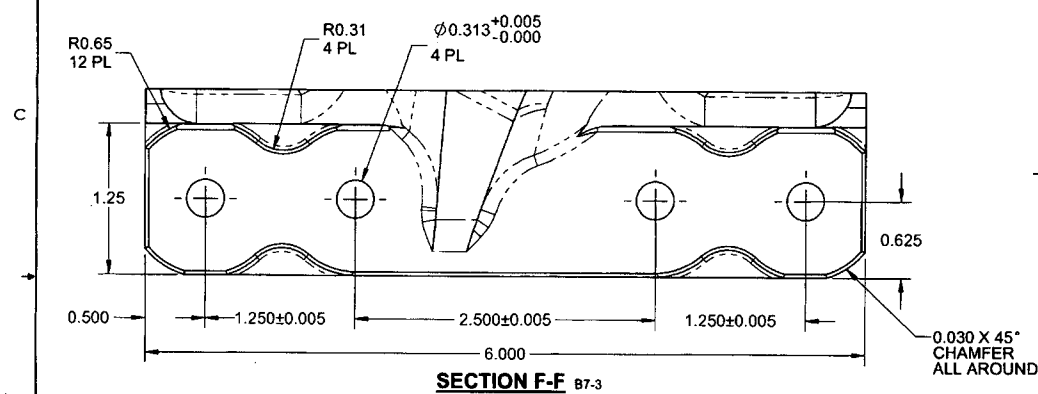
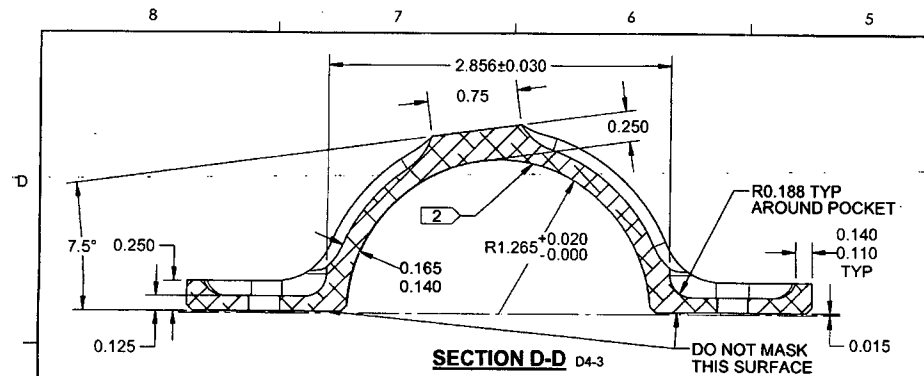
D3884-2 SADDLE, INBOARD RH

NOTES:

- 1) MATERIAL: 7075-T7351 ALUMINUM PER AMS-QQ-A-250/12, OR QQ-A-250/12 OR ASTM B209 (REF DART SPEC. D6101-015)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
MASK INSIDE SURFACES OF SADDLE PRIOR TO APPLICATION OF POWDER COAT
POWDER COAT GLOSS WHITE (4.3.5.1) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: ENGRAVE PART AND BATCH NUMBER IN THIS AREA TO MAX. DEPTH OF 0.010 WITH A MIN. TOOL RAD OF R0.010
- 7) WEIGHT: 1.03 lbs
- 8) ENGRAVE DART LOGO TO MAX DEPTH OF 0.015 WITH MIN RAD R0.250
- 9) ALL NON-DIMENSIONED FEATURES DEFINED PER DRAWING FILE "D3884-2-REVC.SLDPRT"

APPROVED

DESIGN	AP	DART AEROSPACE USA, INC.	
DRAWN	AP	KENT, WA	
CHECKED	AJS	DRAWING NO.	REV. C
MFG. APPR.	JLM	D3884	SHEET 3 OF 4
APPROVED	HS	TITLE	SCALE
DE APPR.	DS	INBOARD SADDLE	NTS
DATE	15.02.11	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS COVENANT THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON OR WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	



RELEASED
A.P. 2015 MAY 19

APPROVED	DESIGN	AP	DART AEROSPACE USA, INC. KENT, WA	
	DRAWN	AP		
	CHECKED	AJS	DRAWING NO. D3884	REV. C SHEET 4 OF 4
	MFG. APPR.	JLM	TITLE	SCALE
	APPROVED	HS	INBOARD SADDLE	NTS
	DE APPR.	DS	DATE 15.02.11	COPYRIGHT © 2014 BY DART AEROSPACE USA, INC. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.